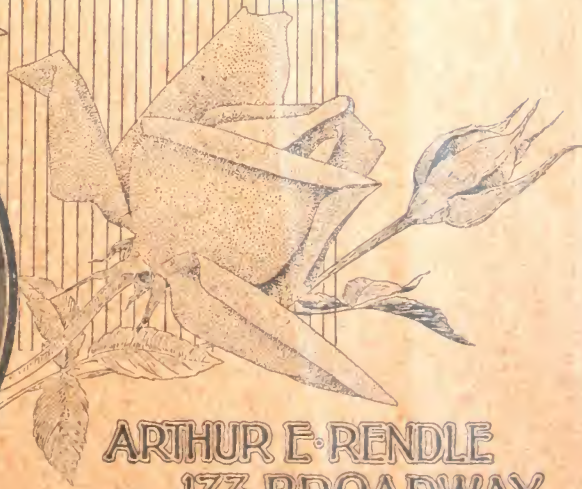


JANUARY 1901.

RENDLE'S

Paradigm  
SketchlightsAND  
GREENHOUSE  
CONSTRUCTIONARTHUR E. RENDLE  
173 BROADWAY  
NEW YORK, N.Y.



# RENDLES GREENHOUSE CONSTRUCTION.



CONSERVATORIES,  
GREENHOUSES,  
PALM-HOUSES,  
VINERIES,  
ERECTED ANYWHERE



A  
FEW  
OF  
THE  
GREENHOUSES  
ERECTED  
BY



ARTHUR E. RENDLE

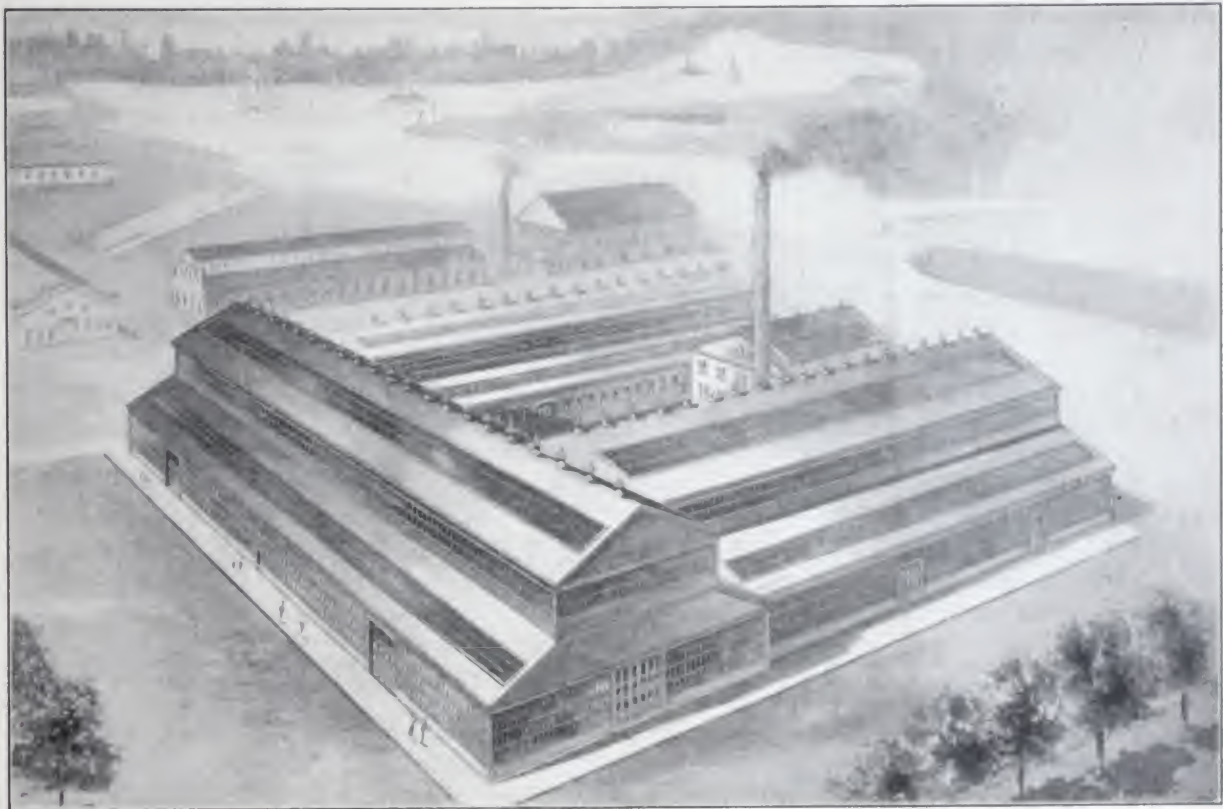
2 CORTLANDT ST., N.Y.



*F. Garrison*

# Paradigm Skylights

I have the honor to announce that **PARADIGM SKYLIGHTS** have been adopted by the UNITED STATES GOVERNMENT for the new Steam Engineering Shops, U. S. Navy Yard, New York, for the Skylight and Side-lights aggregating nearly 150,000 superficial feet.



BIRD'S EYE VIEW OF THE NEW STEAM ENGINEERING SHOPS, U. S. NAVY YARD, NEW YORK.

THE MACHINE SHOP, shown on the left is 350 feet long by 130 feet wide, the ERECTING SHOP, shown on the right is 300 feet long by 130 feet wide, and the BOILER SHOP, in the rear is 300 feet long by 96 feet wide, and the POWER HOUSE is 100 feet by 85 feet.

These buildings are now being erected under the direction of Captain P. C. Asserson, Civil Engineer, U. S. Navy Yard, New York.

**ARTHUR E. RENDLE,**

PATENTEE OF THE PARADIGM SKYLIGHT SYSTEM.

173 BROADWAY, NEW YORK.



# Paradigm Skylights AND SIDE LIGHTS.

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I beg to draw the attention of Architects, Engineers and all those about to design or erect factory buildings to the method of construction devised by the Civil Engineers at the Navy Yard, New York, which was approved and adopted for the new Steam Engineering Shops, New York Navy Yard, by Admiral Mordecai T. Endicott, U. S. N., Chief of the Bureau of Yards and Docks, Navy Department, Washington, D. C.

Your attention is respectfully drawn to the details of these large buildings shown on pages 1, 3, 16 and 17. Page 1 shows a bird's-eye view of the entire group of buildings. Pages 16 and 17 show the end and side elevations, and page 3 a sectional plan with details of construction.

## DESCRIPTION OF THE BUILDINGS.

Briefly, they consist of a steel frame work, covered with glass, expanded metal, cement and slate, and are absolutely fireproof. Commencing with four feet of brickwork above ground, the glass sides and ends are 18 feet high, divided into three panels, each say, 6 feet wide. The two lower panels are pivoted at the top, and are fitted with simultaneous opening gear, so that panels 50 feet long and 6 feet wide, can be opened at one time.

Three pieces of "Paradigm" rolled steel channel bars  $1\frac{1}{2}$  inch x  $1\frac{3}{8}$  inch x  $\frac{1}{8}$  inch, each about 6 feet long, are secured to angle lugs by pivot bolts. These angle lugs, two to each channel, are riveted or bolted to the "Z" bars on the steel columns.

The "Paradigm" Skylights in the roofs are glazed in the usual manner with rolled steel channel bars and subsidiary bars of 16 ounce cold rolled copper ("Caps," "Joints," etc.) and  $\frac{1}{4}$ -inch Ribbed glass is used throughout the buildings for roofs, sides and ends.

There is a glass panel seven feet wide, and continuous, on both sides of the lantern roof, also arranged to open, and is operated from the floor.

## WHY USE BRICK WALLS? WHY NOT GLASS?

This method of construction is already attracting general attention, and I have received over a score of applications for blue print details regarding the same.

Why use brick walls when you can have continuous glass walls with an enormous amount of extra light for the same or less money? The advantages are so obvious that it is strange this method of construction for factory buildings has not been generally adopted before.

## BLUE PRINT DETAILS.

I shall be pleased to furnish Engineers and Architects blue print details of this method of construction.

ESTIMATES, MODELS OR FURTHER INFORMATION ON APPLICATION TO

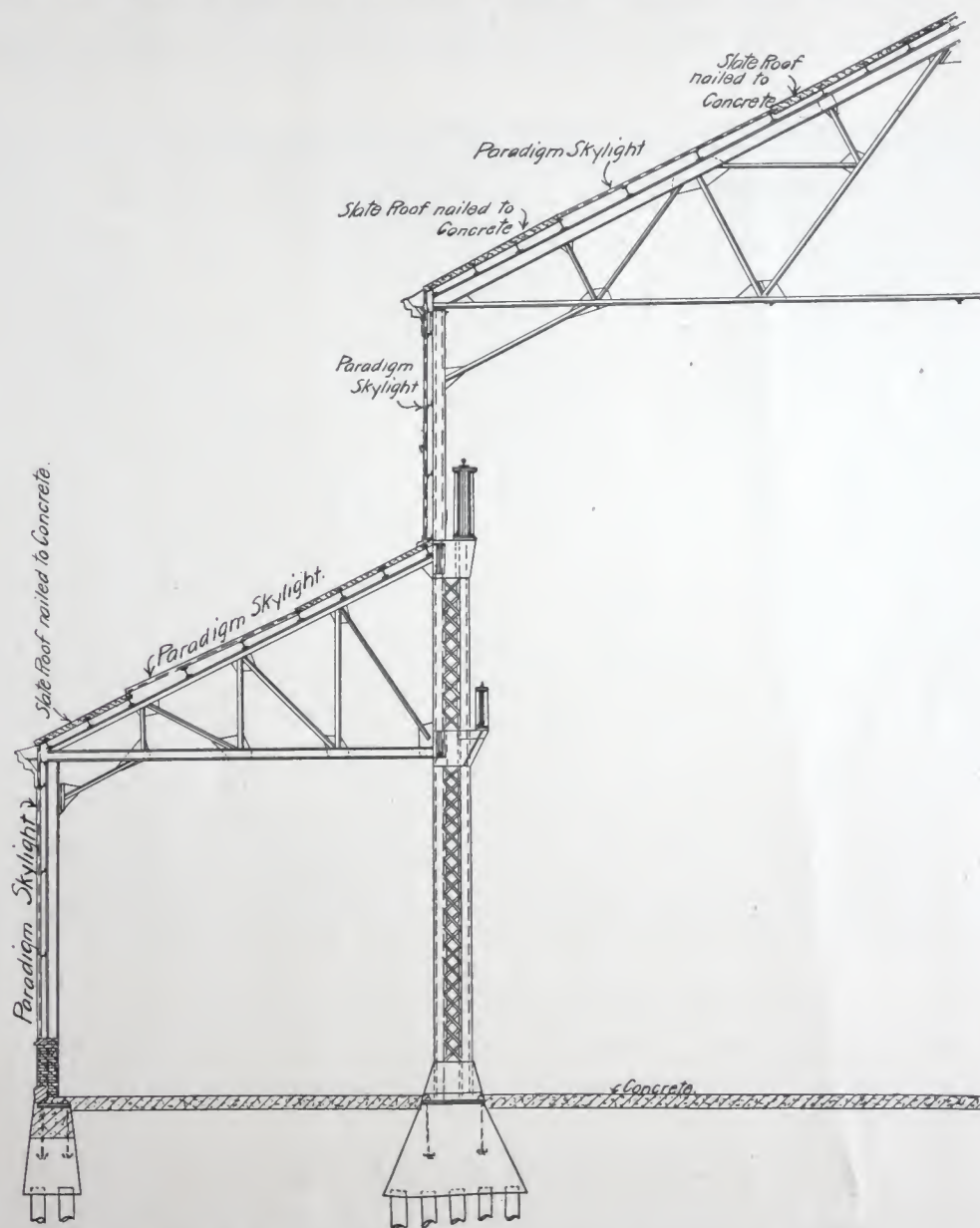
**ARTHUR E. RENDLE,**

173 Broadway,  
2 Cortlandt Street,

**NEW YORK**

# Paradigm Skylights

Sectional view of Machine and Erecting Shops, Steam Engineering Department Building, New York Navy Yard, now being erected by the Bureau of Yards and Docks, Navy Department, United States Government, ADMIRAL M. T. ENDICOTT, U. S. N., Chief of Bureau. The structural work is being erected under the supervision of MR. JOHN KENNY, Jr., C. E. MESSRS O'BRIEN & HOOLIHAN, General Contractors.



ARTHUR E. RENDLE,

2 CORTLANDT ST.  
173 BROADWAY.

NEW YORK.



# Paradigm Skylights

*R. L. Neuman, Genl. Supt.  
Charles L. Hall, Par. Agt.*

*Henry G. Morse, Pres.*

*William J. Rendle, Treas.  
George L. Brown, Secy.*

*New York Shipbuilding Company,*

*Camden, New Jersey, U.S.A.*

6 J1 00

Mr. Arthur E. Rendle,

#173 Broadway,

New York City.

Dear Sir:-

In acknowledging your favor of 5 J1 00, I desire to state that the "Paradigm" skylights were adopted by this company after a very careful investigation into the question of skylighting, and because we deemed them the best in the market for our purpose. Up to the present time about 65,000 square feet of skylighting has been put in place. The work has progressed at all times in a thorough and workmanlike manner and we have no hesitation in expressing our pleasure and satisfaction with what has been accomplished.

Very truly yours,

*Henry G. Morse*  
President.

# Paradigm Skylights

---

One of the buildings of the New York Ship Building Company's immense plant  
at Camden, N. J.

(See opposite page.)



BUILDING "B" NEW YORK SHIP BUILDING COMPANY, CAMDEN, N. J.

Paradigm Skylights installed. Total contract over 200,000 square feet,

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**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY,

} **NEW YORK.**



# Paradigm Skylights

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(See previous page.)

Another of the buildings of the New York Ship Building Company's immense plant at Camden, N. J.



BUILDING "C" NEW YORK SHIP BUILDING COMPANY, CAMDEN, N. J.

Paradigm Skylights installed. Total contract over 200,000 square feet.

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**ARTHUR E. RENDLE,**

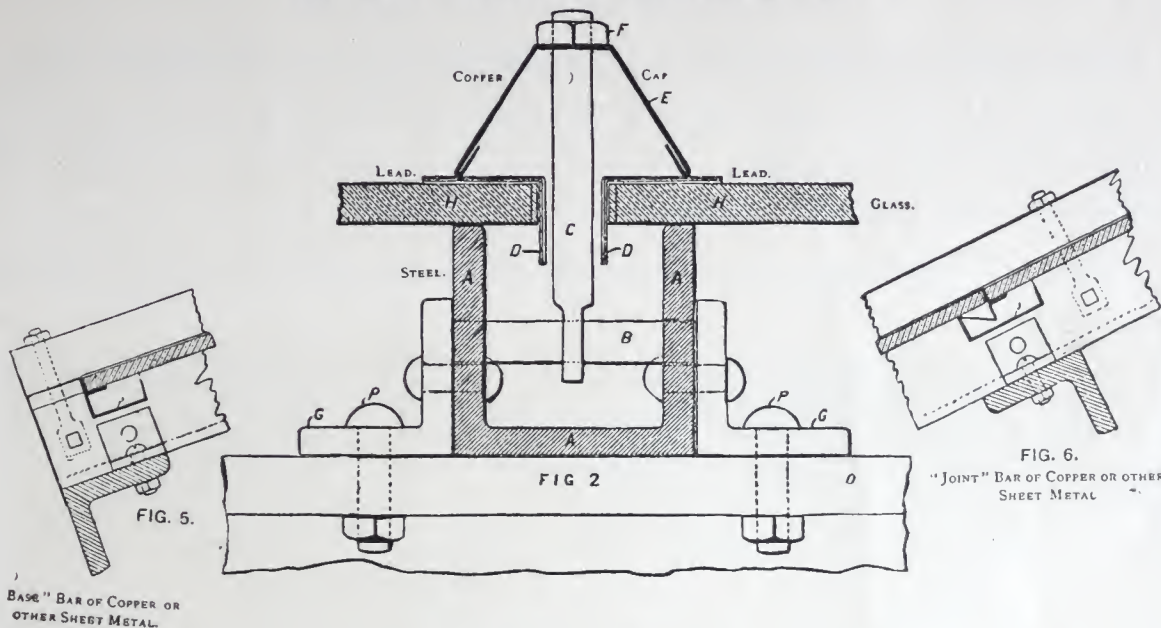
2 CORTLANDT ST.  
173 BROADWAY.

} **NEW YORK.**



# Paradigm Skylights

HIGHEST AWARD, CHICAGO, 1893.



## — DESCRIPTION —

The astragal or channel bar is made of strong steel, varying in width from one to two inches, depending on the distance between the roof purlins to which said astragels are bolted by means of angle lugs.

About every fifteen inches apart, one-quarter inch square holes are made in the sides of the steel skylight bar into which is secured the cross bolt "B" and eye bolt "C." These bolts secure the glass in place by means of cap "E" and the nut "F." This cap can be made of a bent piece of sheet copper or other metal.

The cross bars, which can be made of copper or other sheet metal, are fitted into slots cut in the sides of the channel bars,  $1\frac{1}{2}$  inches long by  $\frac{1}{2}$  inch deep, and they are made the exact width of the glass, and lap over the channel bar so that all condensation, water, etc., finds its way into the main channel bar.

## — DETAILS —

- |  |   |
|--|---|
| <b>A</b> Steel Channel bar.                                    | <b>F</b> Brass nuts.  |
| <b>B</b> $\frac{1}{4}$ inch square iron cross pin.             | <b>G</b> Lug securing channel bar to roof construction.       |
| <b>C</b> Brass bolt.   | <b>H</b> Ribbed glass.  |
| <b>D</b> $2\frac{1}{2}$ lb. sheet lead.                        | <b>I</b> Iron or wood purlins.                                |
| <b>E</b> Yielding cap made of copper, galvanized iron or zinc. | <b>P</b> Bolts and nuts for securing channel bars to purlins. |

For actual details of Paradigm Skylight System, see photograph of workmen glazing the big skylight on the Edison General Electric Company's new foundry.

FOR ESTIMATES, MODELS, OR FURTHER INFORMATION, ADDRESS

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
178 BROADWAY.

**NEW YORK.**



# Paradigm Skylights

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The Main Bars being made of Channel Steel and the subsidiary bars of 16 ounce cold rolled copper give a strength and durability entirely lacking in Skylights of other makes, while the cost is moderate compared with the substantial character of the work.

Why use galvanized iron skylights when Paradigm Skylights with all exposed parts of cold rolled copper and lead can be bought for a trifle more?

**Copper is Indestructible.** We all know what galvanized iron is, how in time the tin on it wears off, the thin black iron is then exposed, and rot sets in.

---

1. The main bar being made of a steel channel, greater strength is necessarily obtained than in the cheaply constructed sheet metal bars now being used all over the country.

2. The steel bars are not exposed to the weather at all, being entirely and completely covered by the glass and "caps," and they can be kept painted and will last as long as the building.

3. The cross bar and "caps" are the only part of the patent "Paradigm" Skylight System exposed to the weather, and as these may be made of strong copper, it will be readily conceded that a skylight or glass roof constructed on this system should outlast an ordinary galvanized iron skylight many years.

4. It is the most economical skylight system by reason of the fact that I can supply the steel bars, copper caps and cross bars at a price that will almost compete with the cheaply constructed galvanized iron skylights. The cost of

maintenance and repairs are reduced to a minimum.

5. As the steel channel bar is so strong, averaging from one-eighth to three-sixteenth inch thick, a less number of roof purlins are required; for instance, purlins need not be less than five to nine feet centres.

6. Broken panes of glass can be replaced more easily and quickly than by any other method.

7. The skylight bars are usually made in one length, up to forty feet, if necessary, so that defects, through careless soldering and consequent leakage, as in the sheet metal bars, are an impossibility.

8. The method used for making a water-tight joint at the junction where two panes of glass meet, which permits the glass to be butted instead of being lapped, will commend itself to all. The cross bar is usually made of strong copper or other sheet metal.

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FOR ESTIMATES, MODELS, OR FURTHER INFORMATION, ADDRESS

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY

} **NEW YORK.**



# Paradigm Skylights

## Important Testimonial.

C. C. MARTIN, Esq., Chief Engineer and Superintendent, New York and Brooklyn Bridge, writes March 18, 1899: "The Paradigm Skylights have been in use in the terminal stations of the New York and Brooklyn Bridge (45,000 square feet) since the Spring of 1896, and have proven entirely satisfactory. Before adopting the Paradigm Skylights, I made a thorough investigation of the subject of skylights, and decided to use your system, and have had no occasion to regret the choice."



NEW YORK STATION OF THE BROOKLYN BRIDGE.

FOR ESTIMATES, MODELS, OR FURTHER INFORMATION, ADDRESS

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY,

**NEW YORK.**



# Paradigm Skylights

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HIGHEST AWARD CHICAGO, 1893.



The photograph shows workmen glazing the big Paradigm Skylight on the new Foundry of the Edison General Electric Company, Schenectady, N. Y. The steel channel bars are 22 feet long,  $1\frac{1}{2}$  inch by  $1\frac{1}{2}$  inch by  $\frac{1}{2}$  inch, the subsidiary bars ("caps," "joint" and "base") are of rolled copper, the distance between purlins is 7 feet 4 inches, the glass the same length and 20 inches wide. Total area glazed 38,000 square feet.

---

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY.

} **NEW YORK.**



# Paradigm Skylights

UNQUESTIONABLY THE BEST SKYLIGHT SYSTEM EVER INVENTED.



THE NEW FOUNDRY OF THE EDISON GENERAL ELECTRIC COMPANY, SCHENECTADY, N. Y., 38,000 SQUARE FEET OF PARADIGM SKYLIGHTS.

By Special Permission I am kindly permitted to refer to G. E. Emmons, Esq.  
Manager, Edison General Electric Co., Schenectady, N. Y.

FOR ESTIMATES, MODELS, OR FURTHER INFORMATION, ADDRESS

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY.

} **NEW YORK.**



# Paradigm Skylights

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DURABLE BEYOND QUESTION.



LIBRARY OF CONGRESS, WASHINGTON, D. C.

In 1895 four Paradigm Skylights were placed on the towers of this magnificent building. The Superintendent and Engineer, Hon. Bernard R. Green, was recently asked whether they were giving satisfaction, to which he replied : "They are, and they would not have been placed on the building if they were not satisfactory.

---

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY.

} **NEW YORK.**



# Paradigm Skylights

Important Testimonial from BRUCE PRICE, Esq., Architect  
for GEORGE J. GOULD, Esq.



MR. GEORGE J. GOULD'S GYMNASIUM AT LAKEWOOD, N. J.

MARCH 27, 1900.

MR. ARTHUR E. RENDLE, 173 Broadway, New York.

Dear Sir: The Paradigm Skylight, 70 feet by 52 feet, recently erected by you at the Gymnasium Building for Mr. George J. Gould, at Lakewood, N. J., is entirely satisfactory in every way. I am very much pleased with the work.

Yours very truly,

BRUCE PRICE, Architect.

FOR FURTHER INFORMATION, MODELS AND ESTIMATES, ADDRESS

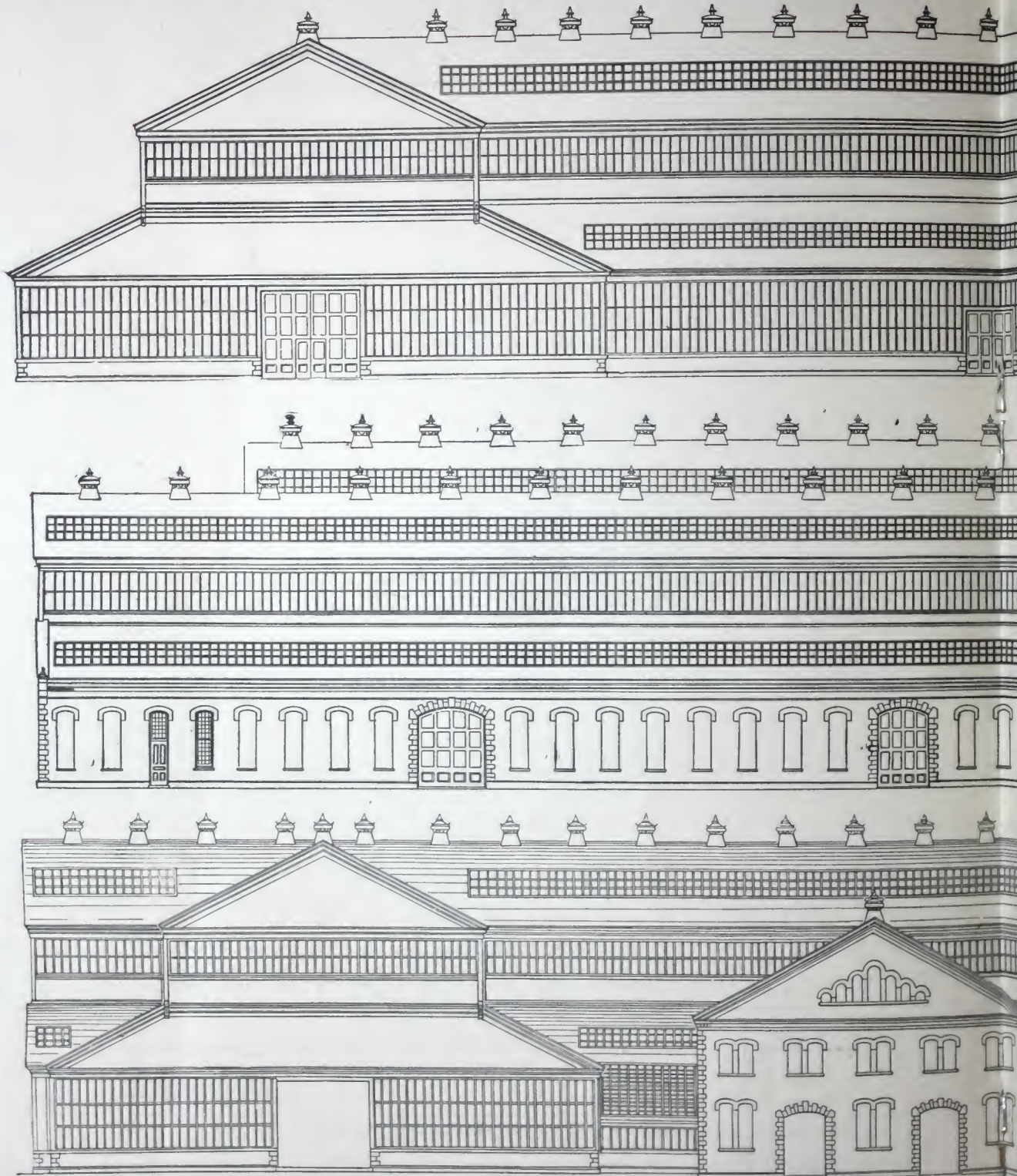
**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY.

} **NEW YORK.**



# PARADIGM SKYLIGHTS AND SIDE



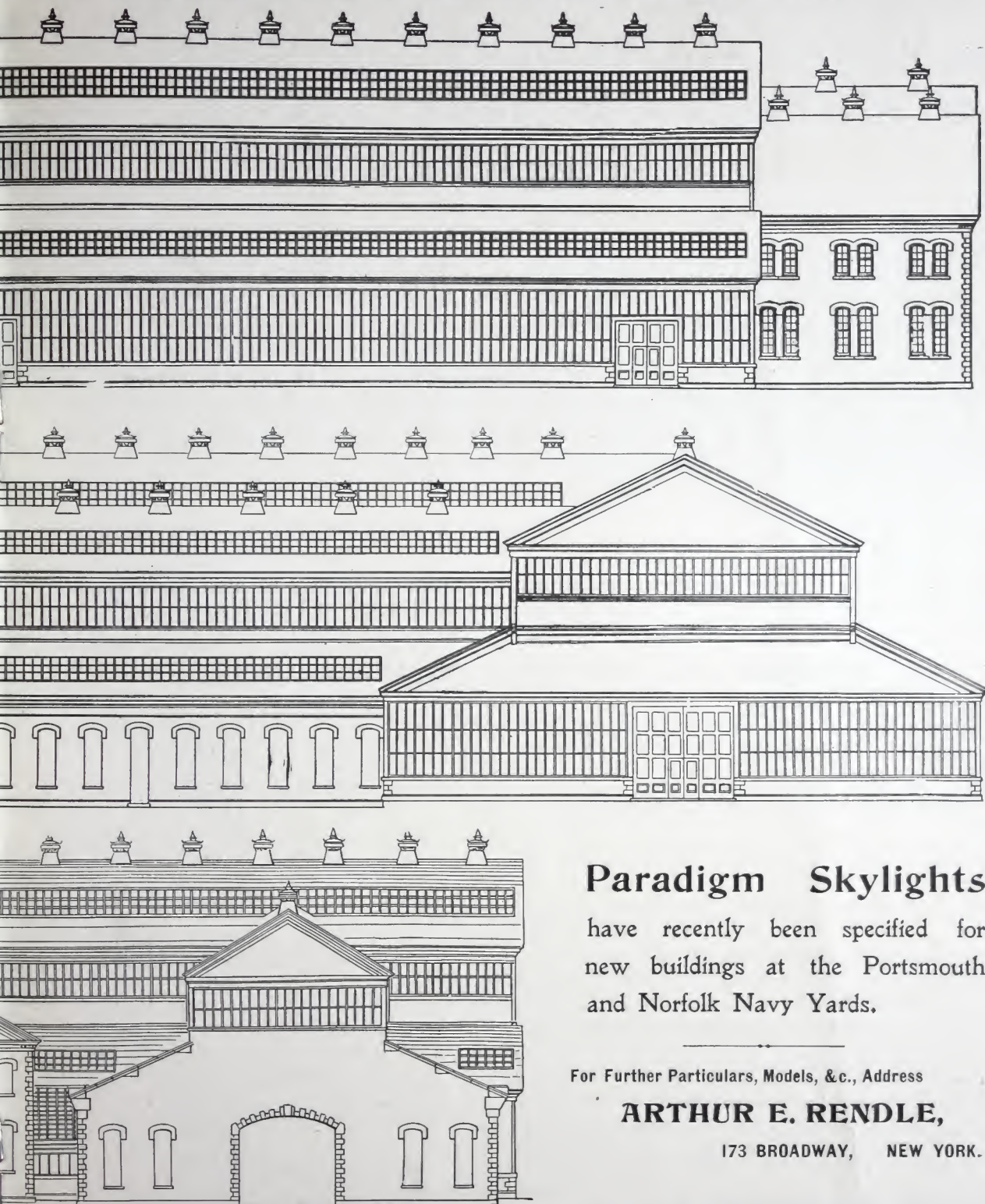
1. ERECTING SHOP AND END OF MACHINE SHOP.

2. BOILER SHOP.

3. END VIEW



# E LIGHTS. NEW YORK NAVY YARD 1900.



VIEW OF ERECTING SHOP, POWER HOUSE AND BOILER SHOP AND REAR OF MACHINE SHOP.

## Paradigm Skylights

have recently been specified for new buildings at the Portsmouth and Norfolk Navy Yards.

For Further Particulars, Models, &c., Address

**ARTHUR E. RENDLE,**

173 BROADWAY, NEW YORK.



# Paradigm Skylights

## THE UNITED STATES NAVY DEPARTMENTS STANDARD OF EXCELLENCE.

### VIDE RECENT SPECIFICATIONS.

U. S. NAVY YARD, NORFOLK, VA., APRIL 1900

"Skylights will be of glass specified, held in proper steel frames, made entirely water tight and weather proof. Same must be to the satisfaction of the Civil Engineer and must be equivalent to the Paradigm Skylight."

U. S. NAVY YARD, PORTSMOUTH, N. H., MARCH 1900

"Skylight of dimensions shown, frame of rolled steel and copper, to be of "Paradigm" construction or equivalent; the transom ventilators at the side (also "Paradigm") to be operated from the floor.

U. S. NAVY YARD, NEW YORK, FEB. 1900

"Skylights will be of size (70 each 10 feet 3 inches by 10 feet 3 inches) and location shown on plans. They will be of an approved method and style of manufacture, equivalent to "Paradigm" make, with all exterior exposed parts of 14 ounce copper."

### WORK DONE AND ORDERS RECENTLY RECEIVED.

U. S. Government, for the Steam Engineering Shops, N. Y. Navy Yard.	150,000 sq. ft.
New York Ship Building Co., Camden, N. J.,	- - - 205,000 "
Chicago Post Office,	- - - 14,000 "
Naval Academy buildings, Annapolis, Md.,	- - - 15,000 "
Edison General Electric Co., Schenectady, N. Y.	- - - 38,000 "
Pennsylvania Steel Co., Steelton, Pa.	- - - 12,500 "
Brooklyn Bridge Stations	- - - 45,000 "
N. Y. C. & H. R. R., Syracuse, N. Y.	- - - 10,000 "
Central R. R. of N. J. Jersey City (train shed easterly 300 feet)	- - - 14,000 "
Weston Electrical Instrument Co., Waverly, N. J.	- - - 23,000 "
Washington Navy Yard (South and North Gun Shops)	- - - 8,000 "
New York Navy Yard (skylights on various buildings)	- - - 20,000 "
Library of Congress, Washington, D. C.	
U. S. National Museum, Washington, D. C.	
New York Post Office (mailing shed)	
George Gould, Esq., Lakewood, N. J.	- - - 8,000 "
Christensen's Engineering works, Milwaukee, Wis.	- - - 7,000 "
Seaboard Steel Casting Co., Chester, Pa., &c. &c	- - - 9,000 "

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.

173 BROADWAY.

} **NEW YORK.**



# Paradigm Skylights

Under the esteemed patronage of the United  
States Government.



THE SMITHERY BUILDING, NEW YORK NAVY YARD, 126 PARADIGM SKYLIGHTS, AGGREGATING 8,000 SQUARE FEET.

## Important Testimonials.

P. C. ASSERSON, ESQ., Civil Engineer, U. S. Navy Yard, New York, writes January 30, 1899: The Paradigm Skylights put on the Smithery Building at the yard (1896) seems to answer the purpose very well, and so far have given entire satisfaction.

A. G. MENOCAL, ESQ., Civil Engineer, U. S. Navy Yard, New York, wrote April 22, 1897: "The skylights in the Smithery have proved satisfactory thus far."

FOR ESTIMATES, MODELS, OR FURTHER INFORMATION, ADDRESS

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY.

**NEW YORK.**



# Paradigm Skylights

---

The Easterly 288 feet of the Jersey City Train Shed, Central R. R. of N. J.,  
was relaid on the Paradigm Skylight System.



Group of workman just finishing the glazing of the big Paradigm Skylights  
288' x 52' on the Jersey City Train Shed. New York City in the distance.

---

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY.

} **NEW YORK.**



# Paradigm Skylights

THE MOST PERFECT SKYLIGHT MADE.



TRAIN SHED OF THE CENTRAL R. R. OF N. J., AT JERSEY CITY, N. J., RE-GLAZED ON THE PARADIGM SKYLIGHT SYSTEM. AREA OF GLASS 14,000 SQUARE FEET.

I received an order from the Central Railroad of N. J., to re-glaze the easterly 288 feet of their Jersey City Train Shed on my patent Paradigm Skylight System.

J. H. OLHAUSEN, ESQ., General Superintendent, wrote, February 10, 1899: "I desire to say that we will give you the contract for removing and repairing the 18 sections of skylight in our Jersey City train shed and you can go ahead and order the material."

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY,

**} NEW YORK.**



# Paradigm Skylights

HAVE BEEN PLACED ON  
SMITHSONIAN INSTITUTION,  
UNITED STATES NATIONAL MUSEUM, Washington, D. C.



U. S. NATIONAL MUSEUM, WASHINGTON, D. C.

The proof that the Paradigm Skylights over the four large courts were satisfactory, is in the fact that four more were ordered for other parts of the building. These skylights were installed under the supervision and direction of Hon. J. Elfreth Watkins, Chief of Buildings and Superintendence, U. S. National Museum, Washington, D. C., to whom I refer.

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY.

**NEW YORK.**




# Paradigm Skylights

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The Paradigm Skylight System has been approved by HENRY IVES COBB, Esq., Architect, Treasury Department, Washington, D. C., for the 15,000 superficial feet of skylights required on the magnificent Federal Building, Chicago, now in course of erection.



 NEW FEDERAL BUILDING, CHICAGO, HENRY IVES COBB, ESQ., ARCHITECT. JOHN PIERCE, ESQ., CONTRACTOR.

The four lower decks will each have a large hip skylight, and there will be several on the main roofs. Total area nearly 15,000 superficial feet.

---

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
178 BROADWAY,

} **NEW YORK.**







# Paradigm Skylights

THE STRONGEST AND MOST DURABLE SKYLIGHT IN THE MARKET.



SYRACUSE TRAIN SHED OF THE NEW YORK CENTRAL AND HUDSON RIVER RAILROAD—10,000 SQUARE FEET.

## IMPORTANT TESTIMONIALS.

BRADFORD L. GILBERT, ESQ., Architect for the New York Central and H. R. R. R. Co., 50 Broadway, New York, writes November 20, 1896: "So far as I am able to learn the Paradigm Skylight (400 feet by 24 feet) you erected in the train shed of the Syracuse Station recently erected for the New York Central and Hudson River R. R. Co., has given entire satisfaction."

"Jan. 18, 1899, I concur in this opinion,"

WALTER KATTE,

Chief Engineer, N. Y. C. & H. R. R. R. Co.

FOR ESTIMATES, MODELS, OR FURTHER INFORMATION, ADDRESS

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY.

} **NEW YORK**



# Paradigm Skylights

(Copy of a fac-simile letter sent to a few architects several months ago. See some of the answers on page opposite.)

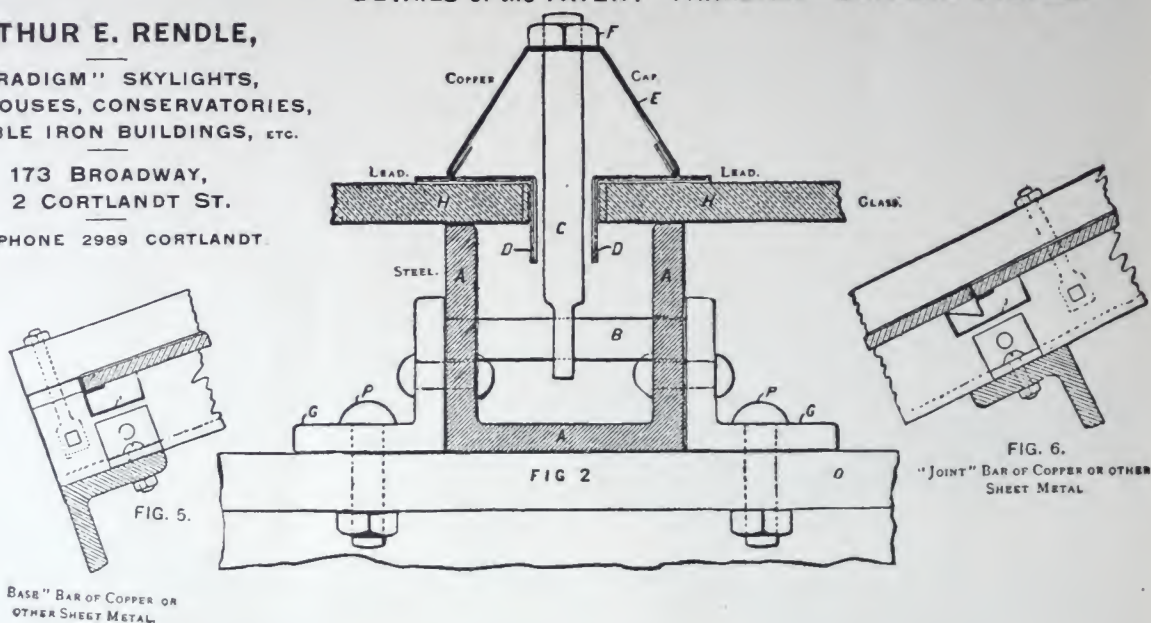
## DETAILS of the PATENT "PARADIGM" SKYLIGHT SYSTEM.

ARTHUR E. RENDLE,

"PARADIGM" SKYLIGHTS,  
GREENHOUSES, CONSERVATORIES,  
PORTABLE IRON BUILDINGS, ETC.

173 BROADWAY,  
2 CORTLANDT ST.

TELEPHONE 2989 CORTLANDT.



Dear Sir:-

That I have the best and cheapest Skylight System in the field cannot be gain-said; but what I want to know, is the best way of introducing it to your notice.

Shall I send you a circular? when I know only too well that there is a waste paper basket at your side, yawning for the same!

Shall I send a representative to your office to show you a sample or a model? It is 'dollars to doughnuts' that you would be too busy to see him, and certainly why not?

Permanent exhibitions in the various cities are good enough in their way, but how often have Architects and Engineers time to go to them?

Advertising in the technical papers is a good thing when you get your advertisement on the front page, as often and often the interior of the paper is scarcely looked at, as Architects and Engineers have little or no time to read papers.

Then how shall I introduce 'Paradigm' Skylights to your notice? If I can only get you to spare a few moments to look into the merits of the System, I am convinced that you will specify 'Paradigm' Skylights in preference to all others.

Your kind answer will much oblige,

Yours respectfully,

Arthur E. Rendle



# Paradigm Skylights

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## A Few Answers to the Fac-simile Letter Printed on Next Page

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**ERNEST FLAGG, ESQ.**, Architect, Mills Building, New York.

"I know your skylight, and think very well of it."

**LEOPOLD EIDLITZ, ESQ.**, Architect, New York.

"I might say to you that I know all about your skylight, and deem it by far the best yet constructed anywhere. As to how to convince other architects of that fact, I think it desirable for you to find out what architect is constructing a skylight and see him personally, if he is intelligent on the subject, he will doubtless approve of your method."

**MESSRS. GOULD, ANGELL & SWIFT**, Architects, Providence, R. I.

"If you will send us one of your circulars, we assure you that it will not be thrown in the waste basket."

**FRANKLIN KELLOGG, ESQ.**, Architect, Chambersburg, Pa.

"Arthur E. Rendle has given a good thing to builders, and his circulars deserve and receive a better place than the waste basket."

**FRANCIS G. CALDWELL, ESQ.**, Architect, Philadelphia, Pa.

"I will be glad to be in possession of all information you have to give me, and I assure you that the wastepaper basket will yawn in vain for your circular."

**GEORGE A. SHERMAN, ESQ.**, Architect, Quincy, Mass.

"Your anxious enquiry shall be promptly answered at your very earnest request. I have been out of business for about five years on account of ill health, and so don't even own a waste basket."

**H. A. LINTHWAITE, ESQ.**, Architect, Columbus, Ohio.

"In reply to your very unique letter, will say that the very next time I have occasion to specify skylights, that I will give yours a trial."

**FRANK M. WRIGHT, ESQ.**, Architect, Mount Vernon, N. Y.

"Your ingenious letter is at hand. \* \* \* \*"

**E. WALKER, ESQ.**, City Engineer, Holyoke, Mass.

"In reply will say that for a concern who keeps a man that writes such letters, I shall always have time to inspect or consult. \* \* \* \* If you will send representative I shall have time to look over anything that he may show, and if you send the man who wrote the letter, I shall have time to get acquainted with him and make his stay here as pleasant as possible."

**OTHER ANSWERS WERE RECEIVED FROM** Messrs. Jeffery & Umbrecht, Syracuse, N. Y.; Messrs. Vivian & Gibb, Ithaca, N. Y.; Messrs. Blackall & Newton, Boston; Messrs. Walters & Hinkle, Philadelphia; Messrs. Davis & Raynes, Lowell, Mass.; R. L. Daws, Esq., Brooklyn; J. L. Faxon, Esq., Boston; Messrs. Fisher Bros., Pontiac, Mich.; Messrs. John Fraser & Son, Philadelphia; Messrs. MacMurphy & Story, Augusta, Ga.; Messrs. Merrill & Cutler, Lowell, Mass.; V. W. Thalman, Esq., Pittsburg; Charles L. Hillman, Esq., Philadelphia; W. L. Price, Esq., Philadelphia; Thomas E. Fraiser, Esq., Philadelphia; W. W. Young, Esq., Washington, &c., &c.

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**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
173 BROADWAY,

} **NEW YORK.**



# Paradigm Skylights



I am now ready to supply small Paradigm Skylights of any size or style, "knocked down" or erected in place, and will in the near future keep a stock of materials for all standard sizes of hip and gable skylights with or without ridge, side, or end ventilators, so that if, for instance, an order is received for eight plain hipped 8 x 10 Paradigm Skylights, the materials for same can be shipped the same day as the order is received, if necessary.

## THE STRONGEST SKYLIGHT MADE.

These Paradigm Skylights are made in two different styles: "Style A" with rolled steel channel skylight bars and subsidiary bars ("Caps," "Joints" and "Base") of 16 ounce cold rolled copper.

"Style B" with bent steel channel bars, and subsidiary bars of No. 26 B.B. galv. iron.

## CANNOT PULL APART WITH HANDS.

It is not generally known that but very few of the metal skylights now being sold are riveted or bolted together. A little solder at the peak and base is supposed to be sufficient, and every one ought to know that such skylights may be pulled apart by the hand alone!

Not very long ago a lean-to skylight about 20' feet x 10 feet, erected by one of the most prominent skylight manufacturers in a city not a thousand miles from New York, simply fell from its own weight after having been up some years. The solder had cracked and there was simply nothing to prevent it falling. As luck would have it, there were no casualties. Such an accident, if accident you will call it, is impossible if the

## PARADIGM SKYLIGHT IS USED.

ESTIMATES, MODELS ON APPLICATION TO

**ARTHUR E. RENDLE,**

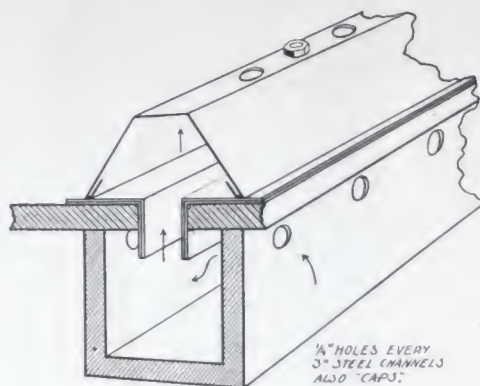
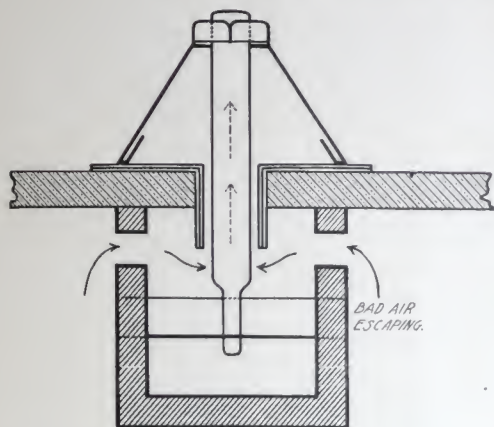
2 CORTLANDT ST.  
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AGENTS WANTED IN EVERY TOWN.



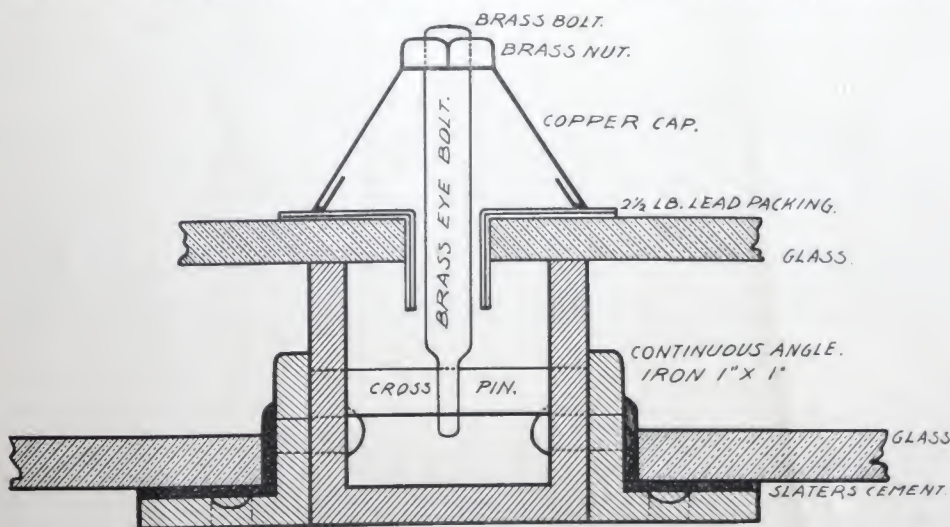
# THE NEW “Paradigm=Duxbac” VENTILATING SKYLIGHT BAR.



The new “Paradigm=Duxbac” Ventilating Skylight.  
(PATENT APPLIED FOR.)

## THE PARADIGM DOUBLE GLAZED SKYLIGHT.

Water=tight, Air=tight and Dust-proof.



A roof 58' x 110' is to be glazed on the above method at New York Navy Yard.

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
178 BROADWAY,

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# RENDLE'S "ACME" GLASS ROOFING

Over Eight Million square feet have been glazed on this System in this country and abroad.



BETHLEHEM IRON CO'S MACHINE SHOP, SO. BETHLEHEM, PA.

## IMPORTANT TESTIMONIAL

**JOHN FRITZ, ESQ.** Former President of the American Society of Mechanical Engineers, Bethlehem, Pa., writes December 11th, 1896. as follows: "It gives me great pleasure to say that your patent skylight system which you put on the Bethlehem Iron Company's Machine shop, 1,200 feet in length, gives entire satisfaction, and, had I another building requiring a skylight, I would adopt the same system.

FOR ESTIMATES, MODELS, OR FURTHER INFORMATION, ADDRESS

**ARTHUR E. RENDLE,**

2 CORTLANDT ST.  
178 BROADWAY,

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# RENDLE'S GREENHOUSE CONSTRUCTION



## CONSERVATORIES, GREENHOUSES, PALM HOUSES, VINERIES OF ANY DESIGN OR SIZE,

Erected, or shipped to any part of the World.



In writing for estimates kindly state whether it is proposed to use iron posts or brickwork as a foundation, also the probable dimensions of the houses to be built and style of same.

The roofs of my Glass Houses can be glazed on either of the following methods, viz:

1. On the ordinary method with wooden sash bars, secured to the iron purlins by wood screws, then laid in putty on the sash bars, and secured by metal clips.
2. On Rendle's patent "Paradigm" System of construction, steel channel bars, metal caps, &c.

I shall be pleased to furnish estimates for slate and iron plant tables of the strongest and best description. Posts of round, T, or angle iron; rests of T iron, and edges of angle iron, all bolted together in the strongest manner. The slate is one-half inch thick with sawed edges, and perfectly smooth tops.

I also supply ventilating apparatus, and submit estimates for heating glass houses by steam or hot water.

**ARTHUR E. RENDLE,**

2 CORTLANDT STREET,  
173 BROADWAY.

**NEW YORK**



# PARADIGM SKYLIGHT

AND

## **SHEET METAL WORK**

OF EVERY DESCRIPTION.

**Copper, Slate, Galvanized Iron and  
Tin Roofing,  
Cornices, Gutters, Leaders, &c.**

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### NOTICE:

"I have received many invitations to bid on sheet metal and roofing work in conjunction with PARADIGM SKYLIGHTS, and am now prepared to submit close estimates for first class work in that line, having unrivalled facilities for turning out work cheaply and quickly. Estimates on application."

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### WORK EXECUTED EVERYWHERE.

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When "Paradigm Skylights" are specified kindly notify me, and I will quote low prices for same and also for all the sheet metal work if desired.

**ARTHUR E. RENDLE,**

173 BROADWAY,  
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